

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P319316

Luminaire Tested: **GAN-SA2B-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10430 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

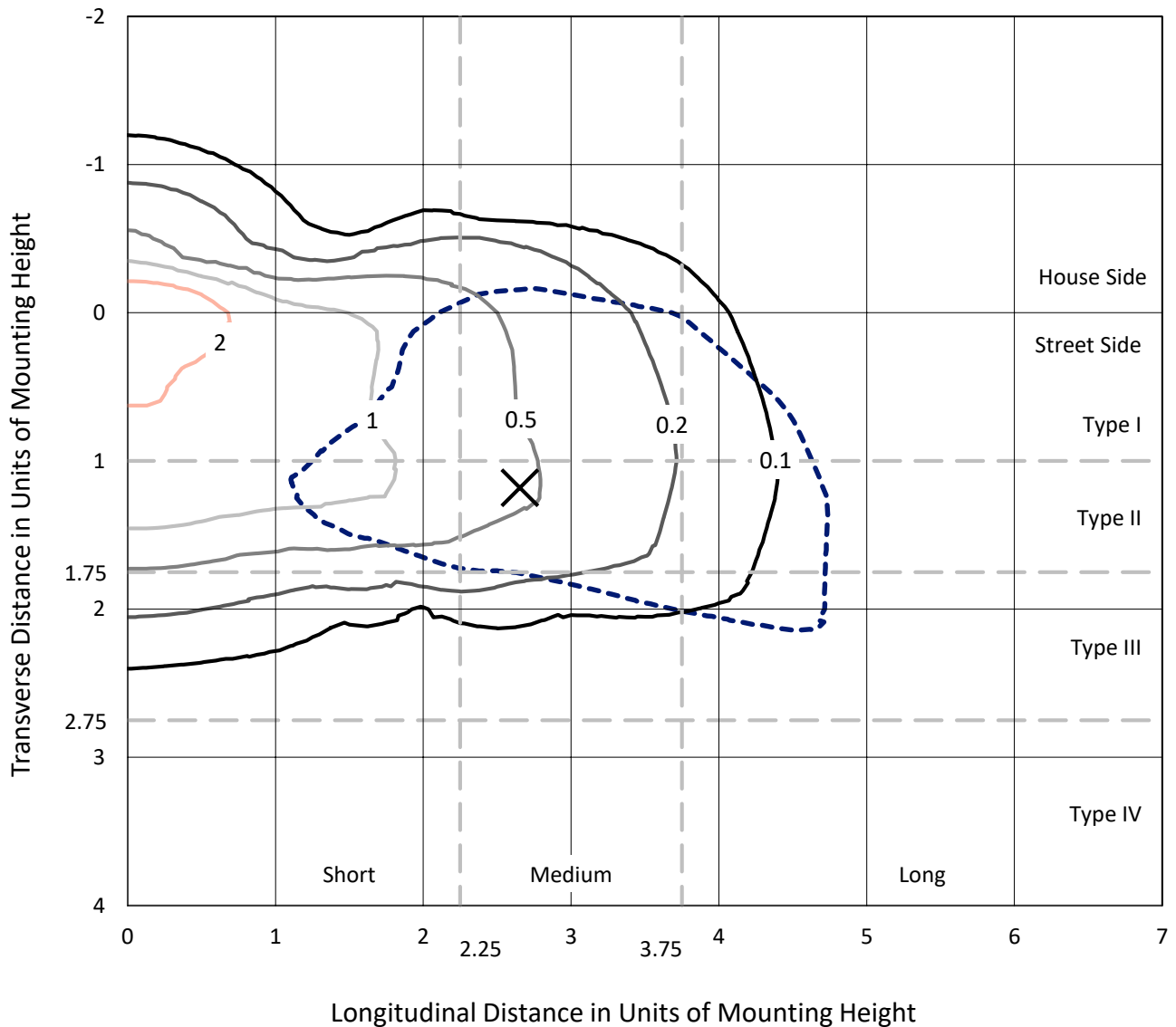
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319316
 CATALOG NUMBER: GAN-SA2B-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

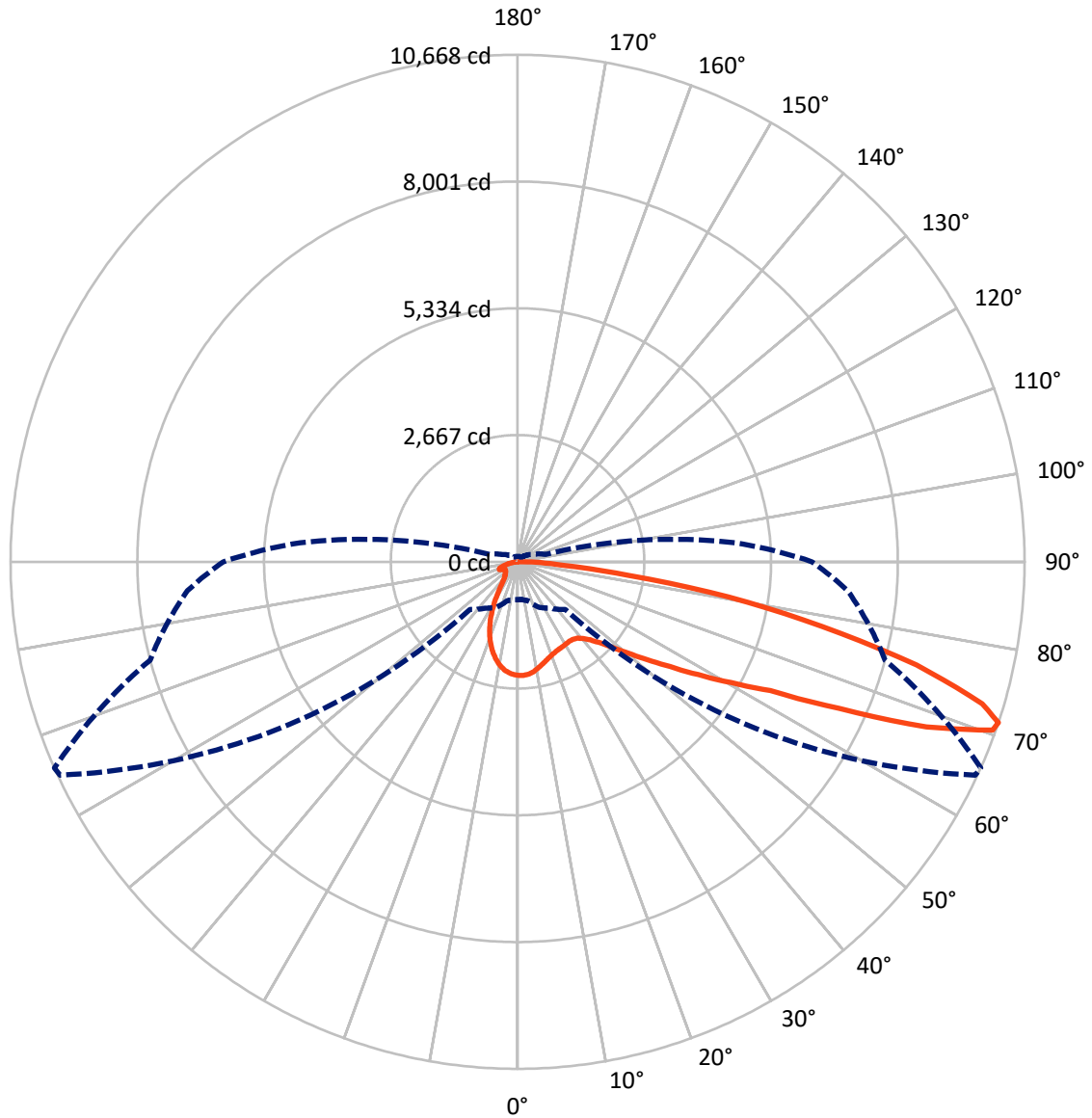
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P319316
CATALOG NUMBER: GAN-SA2B-730-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319316
 CATALOG NUMBER: GAN-SA2B-730-U-SL2

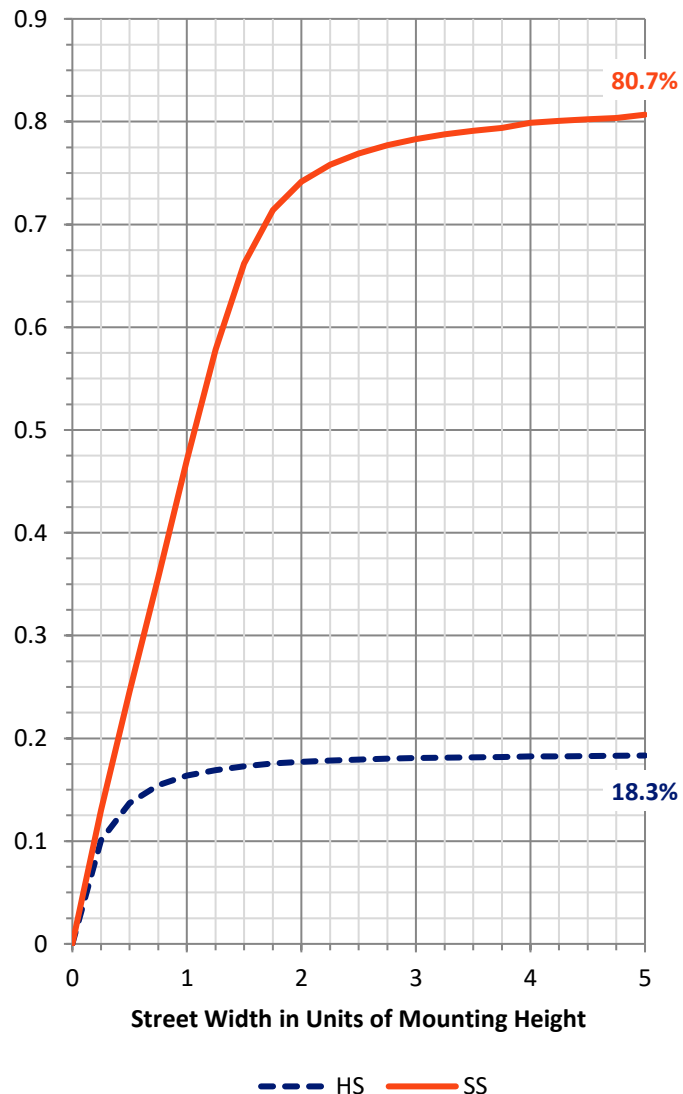
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1933.0	0.0	1933.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	8497.0	0.0	8497.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	10430.0	0.0	10430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	2.0
10°-20°	504.4	4.8
20°-30°	677.6	6.5
30°-40°	891.3	8.5
40°-50°	1296.7	12.4
50°-60°	2025.5	19.4
60°-70°	2537.3	24.3
70°-80°	1935.4	18.6
80°-90°	351.4	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10430.0	100.0
0°-180°	10430.0	100.0

Coefficient of Utilization



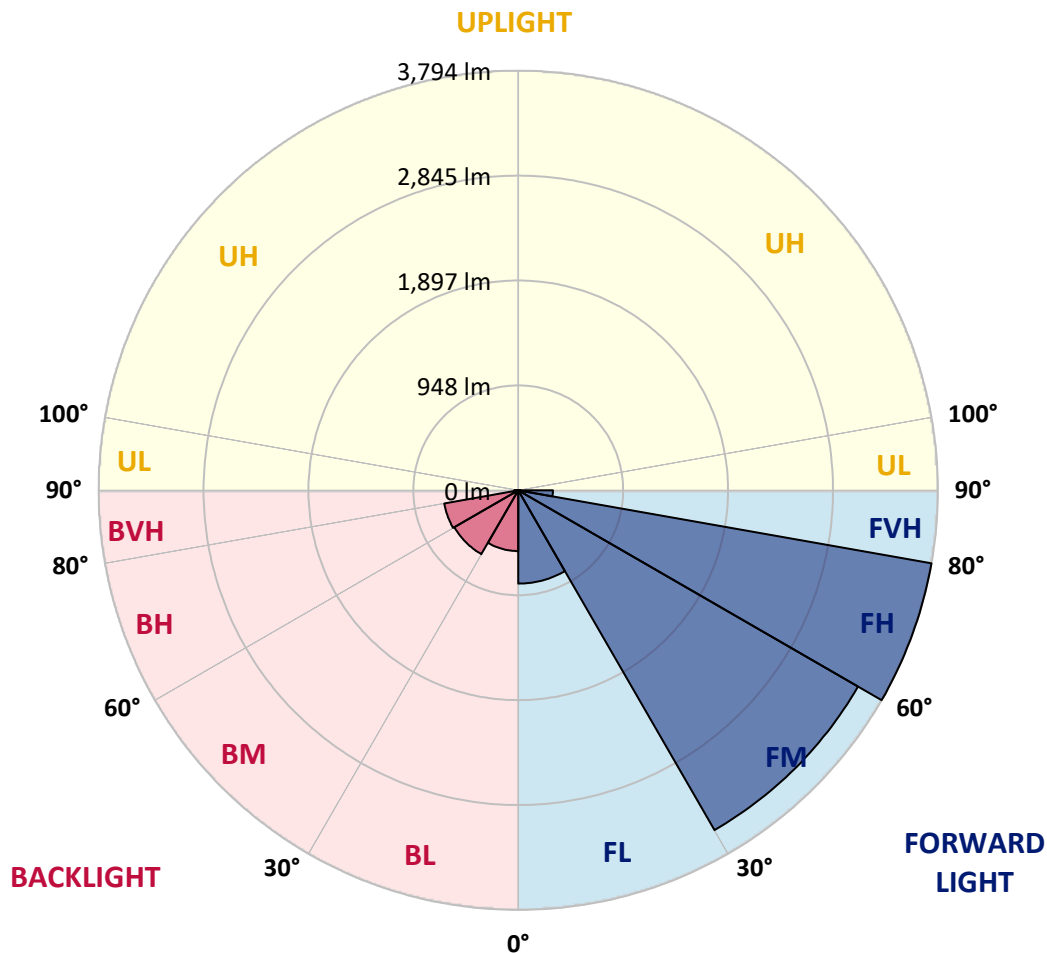
REPORT NUMBER: P319316
 CATALOG NUMBER: GAN-SA2B-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.4	8.1			
FM (30°-60°)	3546.7	34.0			
FH (60°-80°)	3793.5	36.4			G2/5000
FVH (80°-90°)	313.4	3.0			G3/500
BL (0°-30°)	548.9	5.3	B2/1000		
BM (30°-60°)	666.8	6.4	B1/1000		
BH (60°-80°)	679.2	6.5	B2/1000		G2/1000
BVH (80°-90°)	38.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P319316
 CATALOG NUMBER: GAN-SA2B-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3
2.5°	2345.0	2341.4	2352.2	2363.4	2367.7	2374.9	2385.7	2391.8	2391.5	2392.6	2389.0
5°	2189.5	2184.8	2206.4	2224.0	2257.9	2296.0	2342.5	2375.6	2376.3	2395.1	2400.1
7.5°	2042.2	2038.9	2063.8	2092.2	2131.5	2189.8	2265.1	2336.4	2340.7	2391.5	2409.1
10°	1924.1	1923.3	1947.5	1978.4	2024.2	2089.3	2175.8	2280.2	2286.7	2374.2	2410.6
12.5°	1831.9	1833.3	1854.2	1889.5	1937.7	2005.8	2099.4	2217.2	2227.6	2346.8	2402.3
15°	1763.8	1769.6	1786.5	1822.1	1869.7	1938.8	2035.0	2158.8	2174.7	2316.2	2397.6
17.5°	1724.9	1731.4	1743.3	1772.8	1817.5	1884.1	1975.2	2110.9	2125.4	2292.8	2398.0
20°	1713.4	1718.8	1725.6	1743.6	1781.5	1841.9	1928.0	2067.7	2083.2	2274.1	2401.6
22.5°	1736.1	1740.0	1740.8	1739.3	1762.4	1811.7	1893.8	2036.0	2052.6	2261.8	2404.1
25°	1784.7	1790.1	1786.1	1772.8	1765.2	1795.5	1876.2	2015.2	2031.7	2252.8	2399.0
27.5°	1857.8	1858.5	1855.3	1838.0	1802.3	1797.3	1870.8	2002.9	2018.8	2242.4	2388.6
30°	1957.2	1961.9	1956.1	1932.7	1874.4	1826.1	1877.2	1991.0	2005.4	2229.1	2371.7
32.5°	2073.5	2085.0	2084.7	2060.2	1976.6	1890.6	1903.9	1983.8	1995.0	2215.0	2351.1
35°	2194.1	2210.0	2239.5	2229.1	2125.7	1992.5	1955.0	1995.4	2002.9	2213.2	2336.7
37.5°	2319.5	2335.3	2396.2	2424.2	2303.2	2138.3	2035.7	2036.0	2039.6	2235.2	2335.7
40°	2450.5	2467.5	2558.9	2632.0	2533.4	2323.1	2165.7	2121.0	2117.1	2289.2	2356.9
42.5°	2634.2	2649.3	2759.1	2852.4	2788.7	2559.6	2345.4	2252.1	2243.8	2395.1	2425.0
45°	2866.5	2879.4	2996.1	3095.8	3063.1	2829.7	2571.2	2432.5	2431.1	2571.5	2562.9
47.5°	3142.7	3152.7	3257.5	3354.0	3365.9	3140.5	2854.9	2710.9	2687.5	2813.5	2776.4
50°	3430.4	3441.5	3512.8	3616.6	3704.8	3556.4	3220.1	3051.9	3020.6	3132.9	3078.9
52.5°	3620.9	3635.6	3697.6	3829.0	4085.8	4012.3	3651.8	3465.3	3417.8	3520.0	3478.6
55°	3535.9	3569.0	3663.7	3874.4	4390.4	4708.8	4184.4	3947.5	3893.8	3978.8	3954.3
57.5°	3149.5	3194.9	3324.1	3649.3	4433.3	5322.4	4989.6	4515.4	4477.6	4453.1	4464.2
60°	2443.3	2486.9	2647.1	3071.0	4134.8	5770.4	6201.4	5215.4	5160.7	4929.1	4939.2
62.5°	1729.2	1707.3	1817.1	2127.2	3359.8	5822.9	7580.3	6151.7	5971.7	5431.9	5387.6
65°	1318.7	1313.7	1363.0	1461.7	2035.0	5193.8	8401.7	7725.4	7444.1	6023.2	5918.7
67.5°	1083.6	1074.6	1123.2	1266.9	1310.4	3350.8	8419.7	9551.1	9274.9	6759.2	6533.1
70°	890.9	880.8	926.2	1111.7	1211.0	1699.3	7086.2	10620.3	10605.5	7691.2	6996.9
71°	798.7	791.5	845.9	1051.9	1189.8	1416.3	6118.2	10623.2	10667.5	8006.6	6969.5
72.5°	650.4	652.9	710.5	936.3	1173.9	1250.7	4496.7	10128.0	10221.6	8307.3	6720.7
75°	432.1	434.3	509.9	720.2	1138.3	1223.6	2471.4	8498.5	8670.7	8127.3	6132.6
77.5°	290.2	289.5	341.0	494.1	991.7	1223.6	1449.1	6356.3	6545.3	6466.8	4727.8
80°	199.9	198.4	234.8	341.0	750.8	1238.4	1120.3	4454.5	4511.8	3492.3	1921.5
82.5°	122.4	123.5	153.4	240.9	511.0	1114.5	1057.6	2428.9	2366.6	979.5	480.0
85°	70.2	69.9	97.9	163.1	328.1	940.6	1031.3	1045.4	959.0	294.9	173.6
87.5°	25.2	27.0	52.6	90.4	188.0	655.0	875.1	543.8	490.1	133.2	78.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P319316
 CATALOG NUMBER: GAN-SA2B-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3	2389.3
2.5°	2386.4	2388.6	2386.1	2371.7	2359.4	2339.6	2328.5	2313.0	2308.3	2306.1	2311.9
5°	2395.4	2396.2	2374.9	2337.1	2294.6	2244.5	2208.5	2164.2	2143.4	2134.4	2140.1
7.5°	2403.7	2400.5	2354.0	2281.6	2203.1	2116.0	2038.6	1967.6	1926.2	1909.3	1910.7
10°	2404.8	2391.1	2316.6	2204.6	2082.9	1955.0	1836.2	1726.7	1657.6	1612.6	1626.2
12.5°	2393.6	2370.6	2261.5	2104.8	1935.9	1761.6	1601.0	1436.8	1338.2	1292.4	1293.9
15°	2385.0	2343.2	2193.8	1987.4	1760.6	1529.7	1310.4	1117.4	1012.3	965.4	943.5
17.5°	2377.8	2313.7	2115.3	1855.3	1553.5	1260.7	997.1	825.0	767.4	753.7	747.9
20°	2367.7	2282.4	2027.8	1702.2	1317.6	959.7	728.1	643.2	643.5	659.4	661.5
22.5°	2353.7	2246.7	1934.5	1530.5	1064.5	699.0	570.8	546.3	571.1	601.4	606.8
25°	2332.8	2204.6	1830.8	1340.7	811.7	537.3	487.6	486.5	516.8	548.4	553.1
27.5°	2303.2	2149.5	1715.6	1136.9	598.1	456.6	436.8	444.4	466.7	489.7	491.5
30°	2263.6	2085.4	1588.4	921.9	468.9	406.6	404.4	411.2	424.9	441.1	442.6
32.5°	2220.1	2020.2	1452.7	713.7	401.5	379.6	381.7	385.0	391.4	397.9	399.4
35°	2180.4	1953.6	1313.7	542.3	369.5	361.9	360.5	359.7	360.5	358.3	358.7
37.5°	2154.9	1898.5	1168.9	431.8	351.1	346.4	342.1	336.7	330.6	327.0	327.7
40°	2145.5	1857.4	1022.3	373.1	336.0	332.7	324.5	312.9	305.7	303.6	303.6
42.5°	2170.7	1836.2	880.8	343.5	323.4	318.0	304.3	291.0	285.6	285.2	284.8
45°	2247.8	1844.8	746.1	327.3	311.9	301.4	283.4	272.2	268.6	269.4	269.0
47.5°	2386.1	1899.2	630.9	316.5	300.3	286.6	266.5	257.5	253.2	253.2	253.5
50°	2621.2	2026.3	539.1	307.5	290.6	273.0	254.2	243.1	237.3	237.0	237.0
52.5°	2963.7	2253.9	481.8	300.0	279.8	260.7	242.0	227.9	221.1	219.7	218.9
55°	3392.9	2580.2	466.0	294.9	265.4	247.4	227.2	213.2	205.6	202.4	202.0
57.5°	3873.0	2977.0	497.3	288.8	250.6	231.5	211.0	197.7	189.8	185.8	185.5
60°	4358.7	3410.2	625.1	280.2	238.4	214.3	194.5	182.2	174.3	170.0	169.3
62.5°	4845.2	3866.8	886.2	279.4	229.7	197.7	177.5	167.1	159.5	154.8	153.8
65°	5394.0	4366.7	1183.0	298.5	226.9	182.6	160.2	152.0	145.5	141.2	140.8
67.5°	6024.2	4930.9	1154.5	337.8	236.6	168.9	144.0	137.6	132.9	129.3	128.9
70°	6319.9	4842.7	717.7	365.5	250.3	155.6	128.6	123.9	120.3	117.8	116.7
71°	6196.0	4598.2	601.7	362.3	248.8	149.8	122.4	118.8	115.2	113.1	112.0
72.5°	5858.2	4193.4	502.0	337.1	232.6	139.4	114.5	110.9	107.7	105.2	104.4
75°	5256.8	3745.1	401.9	269.4	185.5	117.8	100.5	96.5	94.0	92.5	91.1
77.5°	3864.3	2672.7	310.8	212.8	136.5	96.1	85.7	82.8	80.3	78.1	77.1
80°	1480.4	1035.3	209.2	158.8	100.1	76.0	69.1	67.7	65.2	63.7	63.7
82.5°	398.6	309.3	111.6	96.1	67.0	55.5	52.9	52.2	50.1	47.2	47.5
85°	161.3	136.5	62.7	52.9	41.1	32.8	35.7	36.0	33.5	29.9	30.2
87.5°	70.9	58.0	34.9	23.4	18.0	12.6	16.2	16.2	14.8	12.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)